

Claims

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (currently amended) A hydrogenated styrenic block copolymer composition for overmolding onto a polar substrate, said composition comprising:
 - (a) 100 pbw of a hydrogenated styrenic block copolymer having at least two resinous endblocks of polymerized monovinyl arene and an elastomeric midblock of polymerized and subsequently hydrogenated conjugated diene or dienes,
 - (b) from 25 to 60 pbw of a functionalized polyolefin, and
 - (c) optionally, from 0 to 100 pbw of a plasticizer, and optionally
 - (d) from 0 to 200 pbw of one or more fillers and one or more filler deactivators,
 - (e) from 0 to 2 pbw of antioxidants,
 - (f) from 0 to 100 pbw of a ~~polar engineering thermoplast~~polycarbonate,

wherein component (a) is a linear hydrogenated styrenic block copolymer having an apparent molecular weight from 200,000 to 500,000 or a radial hydrogenated styrenic block copolymer

having an apparent molecular weight from n times 100,000 to 250,000 wherein n equals the number of polymer arms, and component (a) has a content of hydrogenated 1,2-polymerized conjugated dienes (vinyl content) of greater than 40% and a content of poly(monovinyl arene) in the range of from 20 to 50%, and component (b) is an acid, anhydride or ester functionalized polyolefin having a grafting level of 0.5 to 5%w and a melt flow rate (MFR, ASTM D 1238-95 at Condition L) equal to or greater than 20 g/10 minutes.

9. (previously presented) The composition of claim 8 wherein the monovinyl arene is selected from styrene, substituted styrenes and mixtures thereof and the diene is selected from 1,3-butadiene, isoprene or mixtures thereof.

10. (previously presented) The composition of claim 8 wherein the component (b) has an MFR of 35-300 g/10 minutes.

11. (previously presented) The composition of claim 9 wherein the component (b) has an MFR of 35-300 g/10 minutes.

12. (previously presented) The composition of claim 8 wherein the component (b) has an MFR of 40-200 g/10 minutes.

13. (previously presented) The composition of claim 9 wherein the component (b) has an MFR of 40-200 g/10 minutes.

14. (currently amended) A process for preparing a composite material comprising overmolding a hydrogenated styrenic block copolymer composition onto a polar substrate, said hydrogenated styrenic block copolymer composition comprising:

(a) 100 pbw of a hydrogenated styrenic block copolymer having at least two resinous endblocks of polymerized monovinyl arene and an elastomeric midblock of polymerized and subsequently hydrogenated conjugated diene or dienes,

- (b) from 25 to 60 pbw of a functionalized polyolefin, and
- (c) optionally, from 0 to 100 pbw of a plasticizer, and optionally
- (d) from 0 to 200 pbw of one or more fillers and one or more filler deactivators,
- (e) from 0 to 2 pbw of antioxidants,
- (f) from 0 to 100 pbw of ~~a polar engineering thermoplast~~polycarbonate,

wherein component (a) is a linear hydrogenated styrenic block copolymer having an apparent molecular weight from 200,000 to 500,000 or a radial hydrogenated styrenic block copolymer having an apparent molecular weight from n times 100,000 to 250,000 wherein n equals the number of polymer arms, and component (a) has a content of hydrogenated 1,2-polymerized conjugated dienes (vinyl content) of greater than 40% and a content of poly(monovinyl arene) in the range of from 20 to 50%, and component (b) is an acid, anhydride or ester functionalized polyolefin having a grafting level of 0.5 to 5% w and a melt flow rate (MFR, ASTM D 1238-95 at Condition L) equal to or greater than 20 g/10 minutes.

15. (canceled)

16. (currently amended) The process of claim ~~45~~14 wherein the monovinyl arene is selected from styrene, substituted styrenes and mixtures thereof and the diene is selected from 1,3-butadiene, isoprene or mixtures thereof.

17. (previously presented) The process of claim 14 wherein the component (b) has an MFR of 35-300 g/10 minutes.

18. (previously presented) The process of claim 16 wherein the component (b) has an MFR of 35-300 g/10 minutes.

19. (previously presented) The process of claim 14 wherein the component (b) has an MFR of 40-200 g/10 minutes.

20. (previously presented) The process of claim 16 wherein the component (b) has an MFR of 40-200 g/10 minutes.

21. (currently amended) A plastic article comprising a hydrogenated styrenic block copolymer composition overmolded onto a polar substrate,

said hydrogenated styrenic block copolymer composition comprising:

(a) 100 pbw of a hydrogenated styrenic block copolymer having at least two resinous endblocks of polymerized monovinyl arene and an elastomeric midblock of polymerized and subsequently hydrogenated conjugated diene or dienes,

(b) from 25 to 60 pbw of a functionalized polyolefin, and

(c) optionally, from 0 to 100 pbw of a plasticizer, and optionally

(d) from 0 to 200 pbw of one or more fillers and one or more filler deactivators,

(e) from 0 to 2 pbw of antioxidants,

(f) from 0 to 100 pbw of ~~a polar engineering thermoplast~~polycarbonate,

wherein component (a) is a linear hydrogenated styrenic block copolymer having an apparent molecular weight from 200,000 to 500,000 or a radial hydrogenated styrenic block copolymer having an apparent molecular weight from n times 100,000 to 250,000 wherein n equals the number of polymer arms, and component (a) has a content of hydrogenated 1,2-polymerized conjugated dienes (vinyl content) of greater than 40% and a content of poly(monovinyl arene) in the range of from 20 to 50%, and component (b) is an acid, anhydride or ester functionalized polyolefin having a grafting level of 0.5 to 5% w and a melt flow rate (MFR, ASTM D 1238-95 at Condition L) equal to or greater than 20 g/10 minutes.

22. (canceled)

23. (currently amended) The plastic article of claim ~~22~~21 wherein the monovinyl arene is selected from styrene, substituted styrenes and mixtures thereof and the diene is selected from 1,3-butadiene, isoprene or mixtures thereof.
24. (previously presented) The plastic article of claim 21 wherein the component (b) has an MFR of 35-300 g/10 minutes.
25. (previously presented) The plastic article of claim 23 wherein the component (b) has an MFR of 35-300 g/10 minutes.
26. (previously presented) The plastic article of claim 21 wherein the component (b) has an MFR of 40-200 g/10 minutes.
27. (previously presented) The plastic article of claim 23 wherein the component (b) has an MFR of 40-200 g/10 minutes.